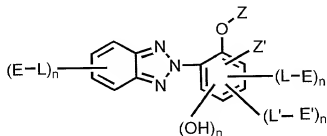


WHAT IS CLAIMED:

1. A benzotriazole adduct having the structure:



in which

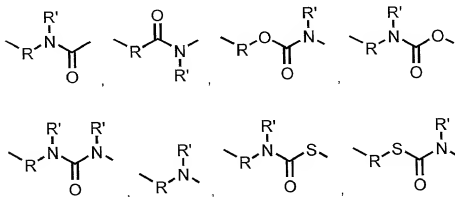
n is 0, 1, 2, or 3;

E and E' independently are an organic moiety containing electron donor, epoxy, acetyl acetonate, or electron acceptor excluding acrylate, functionality;

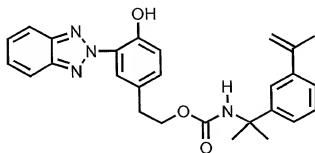
Z is hydrogen, hydrocarbyl, or an organic moiety containing electron donor, epoxy, acetyl acetonate, or electron acceptor excluding acrylate, functionality;

Z' is hydrogen, hydrocarbyl, an electron donating group, or an electron withdrawing group,

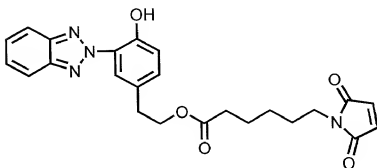
L and L' independently are a direct bond, a hydrocarbyl group, or a functionality selected from the group consisting of .



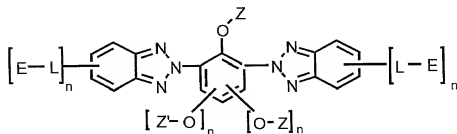
5. The benzotriazole adduct according to claim 1 having the structure:



6. The benzotriazole adduct according to claim 1 having the structure:



7. A benzotriazole adduct having the structure:



in which

n is 0, 1, 2, or 3;

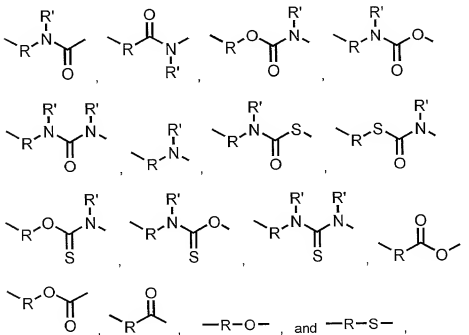
E and E' independently are an organic moiety containing electron donor, epoxy, acetyl acetonate, or electron acceptor excluding acrylate, functionality;

Z is hydrogen, hydrocarbonyl, or an organic moiety containing electron donor, epoxy, acetyl acetate, or electron acceptor excluding acrylate, functionality;

Z' is hydrogen, hydrocarbonyl, an electron donating group, or an electron withdrawing group,

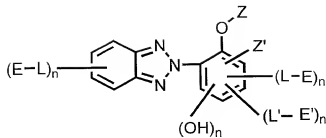
at least one of Z and Z' cannot be hydrogen or alkyl;

L and L' independently are a direct bond, a hydrocarbonyl group, or a functionality selected from the group consisting of .



in which in which R is a direct bond or a hydrocarbonyl group attached to the benzotriazole segment; and R' is hydrogen, an aromatic, or an alkyl group of 1 to 6 carbon atoms.

8. A curable composition comprising a benzotriazole adduct, optionally a curing agent, and optionally a filler, the benzotriazole adduct having the structure



in which

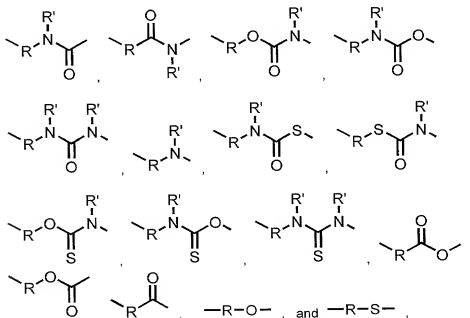
n is 0, 1, 2, or 3;

E and E' independently are an organic moiety containing containing electron donor, electron acceptor, epoxy, vinyl, acetyl acetonate, (meth)acrylate, (meth)acryl amino, glycidyl, or siloxane functionality;

Z is hydrogen, hydrocarbyl, or an organic moiety containing electron donor, epoxy, vinyl, acetyl acetonate, (meth)acrylate, (meth)acryl amino, glycidyl, or siloxane functionality;

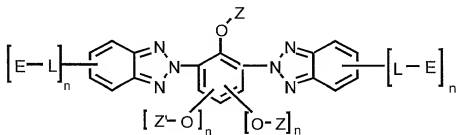
Z' is hydrogen, hydrocarbyl, an electron donating group, or an electron withdrawing group,

L and L' independently are a direct bond, a hydrocarbyl group, or a functionality selected from the group consisting of .



in which R is a direct bond or a hydrocarbonyl group attached to the benzotriazole segment; and R' is hydrogen, an aromatic, or an alkyl group of 1 to 6 carbon atoms.

9. A curable composition comprising a benzotriazole adduct, optionally a curing agent, and optionally a filler, the benzotriazole adduct having the structure



in which

E and E' independently are an organic moiety containing electron donor, electron acceptor, epoxy, vinyl, acetyl acetonate, (meth)acrylate, (meth)acryl amino, glycidyl, or siloxane functionality;

Z is hydrogen, hydrocarbonyl, or an organic moiety containing electron donor, electron acceptor, epoxy, vinyl, acetyl acetonate, (meth)acrylate, (meth)acryl amino, glycidyl, or siloxane functionality;

Z' is hydrogen, hydrocarbonyl, an electron donating group, or an electron withdrawing group,

L and L' independently are a direct bond, a hydrocarbonyl group, or a functionality selected from the group consisting of .

